# Permit to Operate

**FACILITY:** S-1326 **EXPIRATION DATE:** 03/31/200

**LEGAL OWNER OR OPERATOR:** OXY USA INC, HVY OIL GRP
**MAILING ADDRESS:** P O BOX 82576
BAKERSFIELD, CA 93380

**FACILITY LOCATION:** HEAVY OIL CENTRAL
, CA

**FACILITY DESCRIPTION:** OIL AND NATURAL GAS PRODUCTION

The Facility to Operate may include Facility-wide Requirements as wel as requirements that apply to specific permit units.

The Permit to Opertae remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW
Executive Director / APCO

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Diector of Permit Services

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-0-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
FACILITY WIDE REQUIREMENTS

# PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]

2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]

3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]

4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rules 2010, 3.0 and 4.0; and 2020], [Federally Enforceable Through Title V]

5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]

6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]

7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]

8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]

9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]

11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]

12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit . [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.1], [Federally Enforceable Through Title V]

14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]

15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]

16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]

17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]

18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]

19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]

20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]

21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]

22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]

23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]

24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 and Table 2), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 (grams of VOC per liter of coating as applied less water and exempt compounds, excluding any colorant added to tint bases) and in Table 2 (grams of VOC per liter of material), except as provide in Section 5.3 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]

25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]

26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]

27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]

28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]

29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]

30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F], [Federally Enforceable Through Title V]

31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]

32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]

33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after October 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]

34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]

35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]

36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]

37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]

38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (9/17/97); 8020 (4/25/96); 8030 (4/25/96); and 8060 (4/25/96). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

41. Should the facility, as defined in 40 CFR 68.3, become subject to Part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 CFR 68.10. The facility shall certify compliance as part of the annual certification as required by 40 CFR part 70. [40 CFR 68], [Federally Enforceable Through Title V]

42. On August 31, 2001, the initial Title V permit was issued, the reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. This reports are due within 30 days of the end of reporting period. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-1-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,050,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER (OLCESE/EASTMONT) (CANCELED BY PERMITTEE, FACILITY DEMOLISHED IN 1997 - TEG, 3/31/98)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
3. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
4. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
5. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
6. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]
7. The locomotive boiler shall not burn more than 715 barrels of fuel oil per year. [ ]
8. OXY U.S.A. shall record annual amount of fuel oil burned and make such records available upon request for District inspection for a minimum of two years. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-2-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,300,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER (STALEY) CANCELED BY PERMITTEE, FACILITY DEMOLISHED IN 1997-TEG, 3/31/98)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
3. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
4. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
5. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
6. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-3-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,500,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER

# PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
4. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
5. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
6. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
7. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-4-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,500,000 BTU/HR BOILER

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
4. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
5. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
6. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
7. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-5-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,500,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
4. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
5. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
6. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
7. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
8. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]
9. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
10. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
11. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
12. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-6-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,500,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER (NATIONAL TANK BATTERY) - CANCELED PER 10/6/97 OXY LETTER LMS 10/30/97

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
3. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
4. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
5. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
6. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-7-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,960,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
4. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
5. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
6. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
7. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-8-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,625,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER (SOUTHERN TREATING FACILITY) (CANCELED BY PERMITTEE, INOPERABLE AND WILL NOT BUE USED AGAIN - TEG, 3/31/98)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
3. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [ ]
4. The fuel oil preheat and atomization equipment shall be operated and maintained as intended by the manufacturer. [ ]
5. Excess combustion air shall be maintained at no less than 15% unless a continuous operation oxygen analyzer/controller is utilized. [ ]
6. Sulfur content of the fuel oil shall not exceed 1.1 percent by weight. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-9-7 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
62.5 MM BTU/HR NATURAL GAS FIRED STRUTHERS STEAM GENERATOR - DIS# 21928-82 (NORTH TREATING PLANT)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-10-7 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
27.0 MMBTU/HR OIL/GAS FIRED NATIONAL STEAM GENERATOR - HSG #46 (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-12-7 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
27.0 MMBTU/HR OIL/GAS FIRED NATIONAL STEAM GENERATOR - HSG #90 (YOUNG/LENHARDT)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-13-7 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
29.0 MMBTU/HR OIL/GAS FIRED NATIONAL STEAM GENERATOR - HSG #111 (TEGELER/USL)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-14-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200,000 BTU/HR OIL-FIRED SUPERIOR HEATER TREATER

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-15-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200,000 BTU/HR OIL-FIRED SUPERIOR HEATER TREATER

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-16-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,180,000 BTU/HR OIL-FIRED RAY LOCOMOTIVE BOILER - #TX2-2000 (COLE FEE)***OIL FIRED PROVISIONS REMOVED, PERMIT EXEMPT 6/16/97, GAU***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-17-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,500,000 BTU/HR OIL-FIRED LOCOMOTIVE BOILER - #TX448 (LEHMAN)***OIL FIRED PROVISIONS REMOVED, PERMIT EXEMPT, 6/16/97, GAU***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-18-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,180,000 BTU/HR OIL-FIRED KEWANNE LOCOMOTIVE BOILER - #TX2-3836 (SEC. 14 USL)***OIL FIRED PROVISIONS REMOVED, PERMIT EXEMPT, 6/16/97, GAU***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-19-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11010 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-20-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11035 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-21-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-22-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF WASH TANK #205324 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-23-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF WASH TANK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tank shall be equipped with an elevated outlet or siphon outlet to maintain a constant liquid level. [ ]
3. The tank shall be equipped with a stored liquid temperature indicator. [ ]
4. The tank water draw-off shall consist of a completely closed piping system. [ ]
5. The true vapor pressure of the stored petroleum shall not exceed 1.1 psia. [ ]
6. The temperature of the stored petroleum shall not exceed 180 degrees Fahrenheit. [ ]
7. Water draw-off shall be accomplished in a manner preventing VOC or odoriferous emissions. [ ]
8. No truck loading or unloading to or from this tank shall occur. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-24-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PRODUCED WATER TANK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tank shall be equipped with a stored liquid temperature indicator. [ ]
3. The tank water draw-off shall consist of a completely closed piping system. [ ]
4. The true vapor pressure of the stored petroleum shall not exceed 1.1 psia. [ ]
5. The temperature of the stored petroleum shall not exceed 180 degrees Fahrenheit. [ ]
6. Water draw-off shall be accomplished in a manner preventing VOC or odoriferous emissions. [ ]
7. No truck loading or unloading to or from this tank shall occur. [ ]
8. The tank shall be equipped with an elevated outlet or siphon outlet to maintain a constant liquid level. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-25-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON WASH TANK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tank shall be equipped with an elevated outlet or siphon outlet to maintain a constant liquid level. [ ]
3. The tank shall be equipped with a stored liquid temperature indicator. [ ]
4. The tank water draw-off shall consist of a completely closed piping system. [ ]
5. The true vapor pressure of the stored petroleum shall not exceed 1.1 psia. [ ]
6. The temperature of the stored petroleum shall not exceed 180 degrees Fahrenheit. [ ]
7. Water draw-off shall be accomplished in a manner preventing VOC or odoriferous emissions. [ ]
8. No truck loading or unloading to or from this tank shall occur. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-26-5 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
TEOR OPERATION WITH WELL VENT VAPOR CONTROL SYSTEM SERVING 87 CYCLIC WELLS AND 33 STEAM DRIVE WELLS, INCLUDING GAS TRAP, COLLECTION PIPING, VAPOR COMPRESSOR WITH ELECTRIC MOTOR AND PIPING TO INCINERATION DEVICES AND FLARE. (FANO LEASE)

# PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081 and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
9. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
11. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by source tester certified by the California Air Resource Board (CARB) certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
12. The control efficiency of the vapor collection and control system used to control VOC emissions from steam enhanced crude oil production well shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]

13. VOC content shall be determined using ASTM Method E168, E169, or E260 as applicable. Halogenated exempt compounds shall be determined by CARB Method 432. [District Rule 4401, 6.2.3], [Federally Enforceable Through Title V]

14. The permittee shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with USEPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.2.4], [Federally Enforceable Through Title V]

15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

16. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 4401 (Amended January 15, 1998), excluding sections 5.1 and 5.2 for control systems which have been waived from complying with the requirement of section 6.2.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

17. The requirements of SJVUAPCD Rule 4407 (Adopted May 19, 1994) do not apply to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

18. Permittee shall maintain with the permit a current listing of all steam enhanced wells connected to the casing vent control system and shall make such listing readily available for District inspection upon request. [District Rule 4401], [Federally Enforceable Through Title V]

19. Sulfur content of casing gas combusted in permit exempt equipment shall not exceed .75 gr/100 scf. [District NSR Rule, District Rule 4801, and Kern County Rule 407], [Federally Enforceable Through Title V]

20. The well vent vapors and tank vapors from vapor collection systems #S-1326-46 & -216 shall vent only to existing otherwise permit exempt combustion equipment or 2.9 MMBtu/hr waste gas flare. [District NSR Rule], [Federally Enforceable Through Title V]

21. Flare shall be used exclusively for incineration of vapors from this TEOR control system and tank vapor control systems #S-1326-46 & -216. [District NSR Rule], [Federally Enforceable Through Title V]

22. Collected liquids shall be piped only to vapor controlled tanks. [District NSR Rule], [Federally Enforceable Through Title V]

23. Total VOC emission rate, including emissions from tanks vapor control system #S-1326-46 and -216, shall not exceed 70.59 lbs per day. [District NSR Rule], [Federally Enforceable Through Title V]

24. Emissions from waste gas flare shall not exceed: VOC: 0.14 lb/MMBtu; NOx: 0.068 lb/MMBtu; PM10: 0.0202 lb/MMBtu; and CO: 0.37 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]

25. Permittee shall test annually the sulfur content of casing gas combusted in permit exempt equipment using ASTM method D1072, D3031, D4084, or D3246 and make test results readily available for District inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

26. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

27. If this flare requires a pilot flame, then the flare shall be operated with a flame present at all times, and kept in operation when emissions may be vented to it. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

29. This flare shall not be used as a leak control device as described in Rule 4403, 5.3.1, nor as a control device for any permit unit subject to NSPS, without modification of permit requirements to address 40 CFR 60.18. [District Rule 2520, 9.4.3], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-27-8 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
THERMALLY ENHANCED OIL RECOVERY OPERATION WITH WELL VENT VAPOR CONTROL SYSTEM SERVING UP TO 100 STEAM ENHANCED WELLS INCLUDING: GAS LIQUID SEPERATORS, COMPRESSOR, CONDENSATE HANDLING AND 2.9 MMBTU/HR AIR ASSISTED FLARE - KERN FRONT

# PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081 and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
9. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
11. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by source tester certified by the California Air Resource Board (CARB) certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
12. The control efficiency of the vapor collection and control system used to control VOC emissions from steam enhanced crude oil production well shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]

13. VOC content shall be determined using ASTM Method E168, E169, or E260 as applicable. Halogenated exempt compounds shall be determined by CARB Method 432. [District Rule 4401, 6.2.3], [Federally Enforceable Through Title V]

14. The source shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with USEPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.2.4], [Federally Enforceable Through Title V]

15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

16. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 4401 (Amended January 15, 1998), excluding sections 5.1 and 5.2 for control systems which have been waived from complying with the requirement of section 6.2.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

17. The requirements of SJVUAPCD Rule 4407 (Adopted May 19, 1994) do not apply to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

18. Flare Visible emissions shall not exceed 1/4 Ringelmann. [District NSR Rule], [Federally Enforceable Through Title V]

19. The sulfur content of TEOR gas and pilot gas combusted in the flare shall not exceed 1 gr/100scf. [District NSR Rule, District Rule 4801, and Kern County Rule 407], [Federally Enforceable Through Title V]

20. All well vent gas shall be desulfurized prior to incineration and shall be disposed of in flare only. [District NSR Rule], [Federally Enforceable Through Title V]

21. Emission rates for flare shall not exceed any of the following: PM10 0.012 lb/MMBtu, NOx (as NO2) 0.068 lb/MMBtu, VOC 0.0038 lb/MMBtu, or CO 0.021 lb/MMBtu. [District NSR Rule], [Federally Enforceable Through Title V]

22. VOC emission rate from fugitive components associated with well head casing vent control system, polish rods and condensate handling shall not exceed 78.5 lb/day as documented by component count and Table M-1 of publication API 4322 and 0.037 lb/day/polish rod. [District NSR Rule], [Federally Enforceable Through Title V]

23. Permittee shall maintain a current well roster and fugitive component count (updated at least annually), and shall make such roster, component count and resulting emissions readily available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]

24. Condensed liquids from condensate handling system shall be piped in closed systems to the WASP disposal well. [District NSR Rule], [Federally Enforceable Through Title V]

25. Emergency condensate overflow pit shall be empty except during breakdown conditions pursuant to Rule 1100. [District NSR Rule], [Federally Enforceable Through Title V]

26. All wells served by this vapor control system shall be shut-in and shall not vent to the atmosphere in the event of failure of the non-condensible VOC disposal system. [District NSR Rule], [Federally Enforceable Through Title V]

27. Permittee shall at least monthly, measure and record sulfur content and BTU content of TEOR gas exiting the desulfurizer using ASTM method D1072, D3031, D4084, or D3246 and shall make all records and analyses readily available for DIstrict inspection. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. Permittee shall maintain daily records of pilot gas and TEOR gas flared and shall make such records readily available for District inspection for a period of five years. [District Rule 2520, 9.5.2 and District Rule 1070], [Federally Enforceable Through Title V]

29. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

30. If this flare requires a pilot flame, then the flare shall be operated with a flame present at all times, and kept in operation when emissions may be vented to it. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

31. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

32. This flare shall not be used as a leak control device as described in Rule 4403, 5.3.1, nor as a control device for any permit unit subject to NSPS, without modification of permit requirements to address 40 CFR 60.18. [District Rule 2520, 9.4.3], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-28-9 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
THERMALLY ENHANCED OIL RECOVERY OPERATION WITH WELL VENT VAPOR CONTROL SYSTEM SERVING 150 STEAM DRIVE WELLS. (NORTH TREATING PLANT)

# PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081 and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
9. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
11. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by source tester certified by the California Air Resource Board (CARB) certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
12. The control efficiency of the vapor collection and control system used to control VOC emissions from steam enhanced crude oil production well shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]
13. VOC content shall be determined using ASTM Method E168, E169, or E260 as applicable. Halogenated exempt compounds shall be determined by CARB Method 432. [District Rule 4401, 6.2.3], [Federally Enforceable Through Title V]

14. The source shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with USEPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.2.4], [Federally Enforceable Through Title V]

15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

16. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 4401 (Amended January 15, 1998), excluding sections 5.1 and 5.2 for control systems which have been waived from complying with the requirement of section 6.2.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

17. The requirements of SJVUAPCD Rule 4407 (Adopted May 19, 1994) do not apply to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

18. TEOR operation shall include horizontal gas-liquid separator, air-cooled heat exchanger, and horizontal condensate collection vessel with liquid transfer pumps for the pumping of condensate to heavy oil tank battery. [District NSR Rule], [Federally Enforceable Through Title V]

19. TEOR operation shall include 30 hp compressor K-101 with compressed vapors sent to common fuel gas line. [District NSR Rule], [Federally Enforceable Through Title V]

20. TEOR operation shall include 2.9 MMBtu/hr McGill, #1011-2, standby flare equipped with 2 in. dia. burner tip, 1/2 hp air assist blower, and K/O drum at flare base shared with permit unit #S-1326-27. [District NSR Rule], [Federally Enforceable Through Title V]

21. Collected well vent vapors shall only be incinerated at 2.9 MMBtu/hr flare listed on permit #S-1326-27. [District NSR Rule], [Federally Enforceable Through Title V]

22. Flare shall operate with no visible emissions in excess of 5% opacity. [District NSR Rule], [Federally Enforceable Through Title V]

23. Non-condensed VOC vapors shall vent to standby flare only from pressure relief valves on gas/liquid separator and condensate collection vessel. [District NSR Rule], [Federally Enforceable Through Title V]

24. TEOR operation shall include production well vent casing line interconnecting the vapor control system with the vapor control system listed on permit S-1326-27. [District NSR Rule], [Federally Enforceable Through Title V]

25. Components shall be maintained and leaks shall be repaired as specified in Rule 4401. [District NSR Rule], [Federally Enforceable Through Title V]

26. Permittee shall maintain with the permit a current listing of all steam enhanced wells connected to the casing vent control system and shall make such listing readily available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]

27. Well vent vapor control system shall include vapor piping connected to tank vapor control system listed on permit #S-1326-201. [District NSR Rule], [Federally Enforceable Through Title V]

28. Sulfur scrubber shall be operated to maintain continued compliance with fuel gas sulfur content limit of 1.0 grain-S/100 scf of fuel gas. [District NSR Rule], [Federally Enforceable Through Title V]

29. Only PUC quality natural gas or comparable quality lease gas with sulfur content of 1.0 grain-S/100 scf or less shall be utilized as make-up gas for the horizontal condensate collection vessel and utilized as pilot fuel for standby flare. [District NSR Rule], [Federally Enforceable Through Title V]

30. Sulfur scrubber shall be monitored monthly for H2S content of gas after treatment to determine when recharging is required. [District NSR Rule], [Federally Enforceable Through Title V]

31. Permittee shall maintain a written record of H2S content and recharging dates and such records shall be made readily available for District inspection upon request. [District NSR Rule and District Rule 1070], [Federally Enforceable Through Title V]

32. Emission rate of VOC from TEOR vapor control system shall not exceed 149.52 lb/day. Permittee shall maintain with the permit an accurate component count and resulting emissions based on Table M-1 of Publication API 4322. [District NSR Rule], [Federally Enforceable Through Title V]

33. TEOR operation shall include deep emergency overflow pit with mesh cover. [District NSR Rule], [Federally Enforceable Through Title V]

34. Condensed liquids from horizontal gas/liquid separator, condensate collection vessels, compressor suction, and knockout drum at flare base shall be stored only in vapor-controlled tanks, piped to heavy oil production tanks, or sent to condensate injection well. [District NSR Rule], [Federally Enforceable Through Title V]

35. The emergency condensate overflow pit shall be empty except during breakdown conditions pursuant to Rule 1100. [District NSR Rule], [Federally Enforceable Through Title V]

36. Well head casing vent gas collection system shall be shut-in and shall not vent to the atmosphere in the event of failure of the non-condensible VOC disposal system. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
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**PERMIT UNIT:** S-1326-29-7 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
8.4 MMBTU/HR GAS FIRED HEATER TREATER (SERIAL #S-1038-100-A) WITH O2 CONTROLLER, TWO 4.2 MMBTU/HR BURNERS (ONE STACK) - NORTH TREATING PLANT

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Unit shall be fired only on PUC quality natural gas. [District Rule 2201]
3. Fuel use shall not exceed 5 MMBtu/hr (daily average). [District Rules 2201]
4. Unit shall be equipped with operational totalizing fuel meter. [District Rule 2080]
5. Emission rates shall not exceed the following: PM-10: 0.012 lb/MMBtu, SOx (as SO2): 0.0006 lb/MMBtu, NOx (as NO2): 0.100 lb/MMBtu, VOC: 0.003 lb/MMBtu, and CO: 0.021 lb/MMBtu. [District Rule 2201]
6. Permittee shall maintain daily records of average hourly fuel consumption for a period of 2 years and shall make records available for district inspection upon request. [District Rule 1070]

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**PERMIT UNIT:** S-1326-30-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
8.4 MMBTU/HR OIL/GAS FIRED C.E. NATCO HEATER TREATER WITH RADAC (WETMORE TANK BATTERY) - 1 BURNER REMOVED AND OIL FIRING PROVISIONS REMOVED AS OF 1996 INSPECTION. NOW EXEMPT BECAUSE < 5 MMBTU/HR AND NAT GAS FIRED LMS 4/6/98

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by manufacturer. [ ]
3. If continuous operation oxygen analyzer/controller is utilized, excess O2 shall be maintained between 0.5 and 3.0%. If not utilized, excess air shall be maintained at no less than 15%. [District NSR Rule]
4. Fuel oil preheat and atomization equipment shall be operated and maintained as intended by manufacturer. [ ]
5. Minimum exhaust gas O2 concentration selected shall not result in increased air contaminant emissions. [ ]
6. Exhaust gas O2 concentration shall be monitored regularly and records of concentration measured shall be made available for District inspection upon request. [ ]
7. Emission sampling limits for this unit shall not exceed the following: PM-10: 0.1070 lb/MMBtu; SO4: 0.000 lb/MMBtu; SO2: 1.310 lb/ MMBtu; NO2: 0.524 lb/MMBtu; VOC: 0.0120 lb/MMBtu; and CO: 0.0360 lb/MMBtu. [ ]
8. Total combined emissions from all permit units in SLC plan shall not exceed the following: PM-10: 291.01 lb/day; SO4: 219.12 lb/day; SO2 1975.75 lb/day; NO2: 1158.60 lb/day; VOC: 29.21 lb/day; and CO: 185.85 lb/day. [ ]
9. Emission rates of Particulate Matter, Volatile Organic Compounds, Carbon Monoxide and Oxides of Nitrogen shall not increase as a result of use of RADAC forced draft controller. [ ]
10. When oil firing, compliance source testing for fuel oil sulfur content shall be conducted annually (or as approved by the District) within 60 days prior to the permit anniversary. [District Rule 1070]
11. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
12. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081]
13. The permittee shall maintain records of fuel type, quantity, permitted emission factors and emissions for each unit for each day of operation, in the format approved by the District. [District NSR Rule]
14. Reports of daily emissions and fuel usage, as required by this permit for units in the SLC, shall be submitted within 30 days after the end of the reporting period. [District NSR Rule]
15. Records required by this permit shall be retained on site for a period of at least five years and shall be made readily available for District inspection upon request. [District NSR Rule]

San Joaquin Valley
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**PERMIT UNIT:** S-1326-31-8 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
62.5 MMBTU/HR GAS-FIRED THERMOTICS STEAM GENERATOR EQUIPPED WITH NORTH AMERICAN, MODEL 5131G-62.5 CR, BURNER ASSEMBLY AND OXYGEN ANALYZER/CONTROLLER. (YOUNG SEC. 14)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

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**PERMIT UNIT:** S-1326-32-8 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
62.5 MMBTU/HR GAS-FIRED THERMOTICS STEAM GENERATOR EQUIPPED WITH NORTH AMERICAN, MODEL 5131G-62.5 CR, BURNER ASSEMBLY AND OXYGEN ANALYZER/CONTROLLER. (YOUNG SEC. 14)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

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**PERMIT UNIT:** S-1326-33-7 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
25.2 MMBTU/HR GAS-FIRED STRUTHERS STEAM GENERATOR EQUIPPED WITH NORTH AMERICAN, MODEL 6121-23.0-862-62, BURNER ASSEMBLY AND OXYGEN ANALYZER/CONTROLLER. (SILL)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

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**PERMIT UNIT:** S-1326-34-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4.2 MMBTU/HR OIL-FIRED HYDROTEK HEATER TREATER WITH RADAC (SILL)***OIL FIRING PROVISIONS REMOVED, PERMIT EXEMPT, 6/17/97, GAU***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration (calculated to 12% Carbon Monoxide). [ ]
4. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by manufacturer. [ ]
5. If continuous operation oxygen analyzer/controller is utilized, excess O2 shall be maintained between 0.5 and 3.0%. If not utilized, excess air shall be maintained at no less than 15%. [District NSR Rule]
6. Fuel oil preheat and atomization equipment shall be operated and maintained as intended by manufacturer. [ ]
7. Fuel oil sulfur content shall not exceed 1.3% by weight. [ ]
8. Sulfur compound emissions shall not exceed 2000 ppmv as SO2. [ ]
9. Minimum exhaust gas O2 concentration selected shall not result in increased air contaminant emissions. [ ]
10. Exhaust gas O2 concentration shall be monitored regularly and records of concentration measured shall be made available for District inspection upon request. [ ]
11. Emission sampling limits for this unit shall not exceed the following: PM-10: 0.1070 lb/MMBtu; SO4: 0.0430 lb/MMBtu; SO2: 1.3810 lb/MMBtu; NO2: 0.5950 lb/MMBtu; VOC: 0.0070 lb/MMBtu; and CO: 0.0480 lb/MMBtu. [ ]
12. Total combined emissions from all permit units in SLC plan shall not exceed the following: PM-10: 291.01 lb/day; SO4: 219.12 lb/day; SO2 1975.75 lb/day; NO2: 1158.60 lb/day; VOC: 29.21 lb/day; and CO: 185.85 lb/day. [ ]
13. Emission rates of Particulate Matter, Volatile Organic Compounds, Carbon Monoxide and Oxides of Nitrogen shall not increase as a result of use of RADAC forced draft controller. [ ]
14. When oil firing, compliance source testing for fuel oil sulfur content shall be conducted annually (or as approved by the District) within 60 days prior to the permit anniversary. [District Rule 1070]
15. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
16. Compliance source testing shall be conducted under conditions representative of normal operation. [District Rule 1081]
17. The permittee shall maintain records of fuel type, quantity, permitted emission factors and emissions for each unit for each day of operation, in the format approved by the District. [District NSR Rule]
18. Reports of daily emissions and fuel usage, as required by this permit for units in the SLC, shall be submitted within 30 days after the end of the reporting period. [District NSR Rule]
19. Records required by this permit shall be retained on site for a period of at least five years and shall be made readily available for District inspection upon request. [District NSR Rule]

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**PERMIT UNIT:** S-1326-35-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
THERMALLY ENHANCED OIL RECOVERY OPERATION WITH WELL VENT VAPOR CONTROL SYSTEM SERVING 100 STEAM ENHANCED WELLS, INCLUDING 50 HP COMPRESSOR, TWO 210 BBL FIXED-ROOF TANKS, ONE AIR-COOLED VAPOR CONDENSER, AND PIPING TO FLARE (S-1326-260)- KERN FRONT

# PERMIT UNIT REQUIREMENTS

1. The crude oil production from wells associated with this permit unit shall not lie within 1000 feet of an air injection well used for in-situ combustion. [District Rule 4407, 2.0, 3.4, and 3.5], [Federally Enforceable Through Title V]
2. During the time any steam-enhanced crude oil production well is undergoing service or repair while the well is not producing, it shall be exempt from the emission control requirements of District Rule 4401, 5.0 (as amended January 15, 1998). [District Rule 4401, 4.1], [Federally Enforceable Through Title V]
3. All required source testing shall conform to the compliance testing procedures described in District Rule 1081(as amended December 16, 1993). [District Rule 1081 and County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera)], [Federally Enforceable Through Title V]
4. The operator shall maintain monitoring records of the date and well identification where steam injection or well stimulation occurs. [District Rule 4401, 6.1], [Federally Enforceable Through Title V]
5. The uncontrolled VOC emissions from any well vent shall be reduced by at least 99 percent by weight or, if several steam-enhanced crude oil production well vents are connected to a vapor collection and control system, total uncontrolled VOC emissions shall be reduced by at least 99 percent. This requirement does not apply to cyclic wells located on contiguous and adjacent oil production properties with less than 10 cyclic wells owned by or under the control of a company. [District Rule 4401, 5.1 and 5.2], [Federally Enforceable Through Title V]
6. For cyclic wells located on properties with less than 10 cyclic wells and owned by a company, the uncontrolled VOC emissions from any well vent or system of well vents connected to a single control device shall be reduced by at least 50 percent. Properties shall include contiguous and adjacent oil production properties owned by or under control of the company. [District Rule 4401, 5.4], [Federally Enforceable Through Title V]
7. Total number of leaks from the vapor collection and control system, including condensate handling, shall not exceed the number as allowed by Rule 4401 (as amended January 15, 1998) at any one time. [District Rule 4401, 5.3], [Federally Enforceable Through Title V]
8. Operator shall affix a readily visible tag bearing the date on which a leak is detected. The tag shall remain in place until the leaking component is repaired. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
9. Operator shall repair each leak within 15 days of detection. The APCO may grant a 10 day extension if the operator demonstrates that the necessary and sufficient actions have and are being taken to correct the leak. [District Rule 4401, 5.3.1], [Federally Enforceable Through Title V]
10. Operator shall maintain all components of a well vent vapor collection and control system in good repair. Components of the well vent vapor collection and control system shall include all piping, valves, fittings, pumps, compressors, tanks, etc. used to collect, control, store, or dispose of VOC condensate or non-condensable VOCs and which is prior to any blending of VOC condensate with crude oil or blending of non-condensable VOCs with gases to be used as a fuel. [District Rule 4401, 5.3 and 5.3.2], [Federally Enforceable Through Title V]
11. Annual control efficiency compliance tests shall be performed on all vapor collection and control systems used to control emissions from steam-enhanced crude oil production wells. Testing shall be performed by source tester certified by the California Air Resource Board (CARB) certified contractors during June, July, August or September of each year if the system's control efficiency is dependent upon ambient air temperature. The APCO may waive the requirements of this condition if the vapor control system does not exhaust to atmosphere or if all uncondensed VOC emissions collected by a vapor collection and control system are burned in fuel burning equipment or in a smokeless open flare and the source's Operating Permit contains adequate periodic monitoring to ensure the source meets 99% control efficiency. [District Rule 4401, 5.1, 5.2 and 6.2.1], [Federally Enforceable Through Title V]
12. The control efficiency of the vapor collection and control system used to control VOC emissions from steam enhanced crude oil production well shall be determined by mass balance based on most stringent of a source test, USEPA approved emission factors, or Air Pollution (AP)-42 emission factors for components; and the efficiency of destruction devices determined by USEPA Method 25, 25a, or 25b as applicable. [District Rule 4401, 6.3.1], [Federally Enforceable Through Title V]

13. VOC content shall be determined using ASTM Method E168, E169, or E260 as applicable. Halogenated exempt compounds shall be determined by CARB Method 432. [District Rule 4401, 6.2.3], [Federally Enforceable Through Title V]

14. The source shall perform leak inspections at least annually, using a portable hydrocarbon detection instrument in accordance with USEPA Method 21. [District Rules 2520, 9.4.2 and 4401, 6.2.4], [Federally Enforceable Through Title V]

15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

16. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 4401 (Amended January 15, 1998), excluding sections 5.1 and 5.2 for control systems which have been waived from complying with the requirement of section 6.2.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

17. The requirements of SJVUAPCD Rule 4407 (Adopted May 19, 1994) do not apply to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

18. Wells authorized by this permit shall comply with all applicable requirements of Rule 4401. [District Rule 4401], [Federally Enforceable Through Title V]

19. Well head casing vent collection piping network shall be limited to 100 steam enhanced wells. [District NSR Rule], [Federally Enforceable Through Title V]

20. Leaks shall be inspected and repaired as specified in Rule 4401. [District Rule 4401], [Federally Enforceable Through Title V]

21. Well vent gas shall be disposed of in flare permit S-1326-260 only. [District Rule 2010], [Federally Enforceable Through Title V]

22. VOC emission rate from fugitive components associated with well head casing vent system, polish rods and condensate handling shall not exceed 76.1 lb/day as documented by component count and table M-1 of publication API 4322. [District NSR Rule], [Federally Enforceable Through Title V]

23. Permittee shall maintain a current well roster of all wells served by collection system, and such roster shall be made readily available for District inspection upon request. [District Rule 2520, 9.4.2 and District Rule 1070], [Federally Enforceable Through Title V]

San Joaquin Valley
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**PERMIT UNIT:** S-1326-36-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
13 UNCONTROLLED CYCLICLY STEAMED OIL WELLS HEAVY OIL CENTRAL STATIONARY SOURCE

# PERMIT UNIT REQUIREMENTS

1. Sulfur compounds emission concentration shall not exceed 0.2 percent by volume calculated as sulfur dioxide (SO2), on a dry basis averaged over 15 consecutive minutes. [District Rule 4801 and County Rule 407 (Kern)], [Federally Enforceable Through Title V]
2. An increase in the number of wells listed on this Permit to Operate shall require an Authority to Construct. [District NSR Rule], [Federally Enforceable Through Title V]
3. The well contained in this permit unit shall be located more than 1000 feet from an existing well vent vapor control system. [District Rule 4401, 4.5], [Federally Enforceable Through Title V]
4. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements: County Rules 108 (Kings), 108.1 (Fresno, Merced, San Joaquin, Tulare, Kern, and Stanislaus), and 110 (Madera). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
5. Compliance with permit conditions in the Title V permit shall be deemed compliance with SJVUAPCD Rule 4401 (Amended January 15, 1998), excluding sections 5.1 and 5.2 for control systems which have been waived from complying with the requirement of section 6.2.1. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
6. The requirements of SJVUAPCD Rule 4407 (Adopted May 19, 1994) do not apply to this permit unit. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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**PERMIT UNIT:** S-1326-37-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK WITH P/V VENT (NORTH TREATING PLANT)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. During normal operation, the p/v vent shall be vapor tight (except for in-breathing). [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-38-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
420,000 GALLON OPEN TOP PETROLEUM STORAGE TANK SURRENDERED 7/23/91 FOR SPECIAL CONDITION BB OF ATC 4018202 A (S-1326-39-1)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-39-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GAL. FIXED-ROOF STRG. TANK, INCL. COMPRESSOR KO VESSEL, CORKEN MODEL C51A 10 HP VAPOR RECOVERY COMPRESSOR, AND VAPOR RECOVERY SYSTEM PIPING SHARED W/S-1326-40-1 & '-41-1 CONNECTED TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PRO. 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 1.22 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 66 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-40-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GAL. FIXED-ROOF STRG. TANK, INCL. COMPRESSOR KO VESSEL, CORKEN MODEL C51A VAPOR COMPRESSOR AND VAPOR RECOVERY SYSTEM PIPING NETWORK SHARED WITH S-1326-39-1 &'-41-1 WITH VAPOR PIPING TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PROJ. 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 1.22 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 536 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-41-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK WITH KNOCKOUT VESSEL AND CORKEN MODEL C51A 10 HP COMPRESSOR SHARED WITH S-1326-39-1 & S-1326-40-1, AND VAPOR PIPING TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PROJ. 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 1.22 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 471 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-42-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF WASH TANK WITH CORKEN MODEL C51A 10 HP VAPOR COMPRESSOR AND KNOCKOUT VESSEL SHARED WITH S-1326-43-1 THROUGH S-1326-45-1, AND VAPOR PIPING TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PROJ. 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 0.87 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 1819 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-43-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF WASH TANK WITH CORKEN MODEL C51A 10 HP VAPOR COMPRESSOR AND KNOCKOUT VESSEL SHARED WITH S-1326-42-1, S-1326-44-1 & S-1326-45-1, AND VAPOR PIPING TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PROJ. 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 1.22 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 68 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-44-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF WASH TANK WITH CORKEN MODEL C51A 10 HP VAPOR COMPRESSOR AND KNOCKOUT VESSEL SHARED WITH S-1326-42-1, -43-1, & -45-1, AND VAPOR PIPING TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 1.22 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 66 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-45-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF WASH TANK WITH CORKEN MODEL C51A 10 HP VAPOR COMPRESSOR AND KNOCKOUT VESSEL SHARED WITH S-1326-42-1 THROUGH S-1326-44-1, AND VAPOR PIPING TO FIELD GAS SYSTEM (CANCELLED 5/8/97 FOR ERC PROJ. 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
3. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [ ]
4. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
5. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 3.46 in. w.c. or falls below 0.69 in. w.c. vacuum. [ ]
6. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
7. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
8. Tank water draw-offs shall consist only of closed piping. [ ]
9. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
10. All VOC vapors shall be compressed and combusted in locomotive boiler S-1326-8 or permit-exempt Fano lease heater treaters. [ ]
11. The tank shall be equipped with stored liquid temperature indicators. [ ]
12. The true vapor pressure of the liquids stored in this tank shall not exceed 1.22 psia without prior District approval. [ ]
13. The maximum daily tank throughput for this tank shall not exceed 1887 bbl/day without prior District approval. [ ]
14. No truck loading shall occur from this tank. [ ]
15. The vapor control system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
16. The vapor control system shall be at least 99 percent effective. [ ]
17. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-46-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF STOCK TANK WITH VAPOR RECOVERY INCLUDING GAS/LIQUID SEPARATOR AND A MINIMUM RATED 15 HP VAPOR COMPRESSOR. (FANO LEASE)

# PERMIT UNIT REQUIREMENTS

1. Operation shall include vapor recovery system piping between tanks S- 1326-46, '-47, '-48, '-214, and '-215. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank vapors shall be compressed and combusted in 2 existing otherwise permit exempt Fano lease heater treaters, or the primary waste gas disposal flare serving TEOR operation #S-1326-26. [District NSR Rule], [Federally Enforceable Through Title V]
3. Vapor control efficiency shall be maintained at no less than 99%. [District NSR Rule], [Federally Enforceable Through Title V]
4. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [District NSR Rule], [Federally Enforceable Through Title V]
5. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. [District NSR Rule], [Federally Enforceable Through Title V]
6. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [District NSR Rule], [Federally Enforceable Through Title V]
7. The true vapor pressure of the liquids stored in this tank shall not exceed 0.82 psia. [District NSR Rule], [Federally Enforceable Through Title V]
8. The average daily throughput for this tank (on an annual basis) shall not exceed 1,500 bbl per day. [District NSR Rule], [Federally Enforceable Through Title V]
9. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. or falls below 0.5 oz. vacuum. [District NSR Rule], [Federally Enforceable Through Title V]
10. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Tank water draw-offs shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
13. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks or WASP disposal well. [District NSR Rule], [Federally Enforceable Through Title V]
14. The tank shall be equipped with stored liquid temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
15. The permittee shall keep accurate records of liquids stored, tank throughput, storage temperature, and Reid vapor pressure of such liquids. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

26. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

27. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

28. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

29. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

30. The tanks included in this setting are S-1326-46, '-47, '-48, '-214, and '-215. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-47-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF STOCK TANK WITH VAPOR RECOVERY. (FANO LEASE)

# PERMIT UNIT REQUIREMENTS

1. Tank vapors shall be vented only to vapor control system listed on tank permit #S-1326-46. [District NSR Rule], [Federally Enforceable Through Title V]
2. Vapor control efficiency shall be maintained at no less than 99%. [District NSR Rule and District Rule 4623], [Federally Enforceable Through Title V]
3. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. The true vapor pressure of the liquids stored in this tank shall not exceed 0.82 psia. [District NSR Rule], [Federally Enforceable Through Title V]
5. The average daily throughput for this tank (on an annual basis) shall not exceed 1,500 bbl per day. [District NSR Rule], [Federally Enforceable Through Title V]
6. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. or falls below 0.5 oz. vacuum. [District NSR Rule], [Federally Enforceable Through Title V]
7. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Tank water draw-offs shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
10. The tank shall be equipped with stored liquid temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
11. The permittee shall keep accurate records of liquids stored, tank throughput, storage temperature, and Reid vapor pressure of such liquids. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

22. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

26. The tanks included in this setting are S-1326-46, '-47, '-48, '-214, and '-215. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-48-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF WASTE WATER TANK WITH VAPOR RECOVERY. (FANO LEASE)

# PERMIT UNIT REQUIREMENTS

1. Tank vapors shall be vented only to vapor control system listed on tank permit #S-1326-46. [District NSR Rule], [Federally Enforceable Through Title V]
2. Vapor control efficiency shall be maintained at no less than 99%. [District NSR Rule and District rule 4623], [Federally Enforceable Through Title V]
3. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. The true vapor pressure of the liquids stored in this tank shall not exceed 0.82 psia. [District NSR Rule], [Federally Enforceable Through Title V]
5. The average daily throughput for this tank (on an annual basis) shall not exceed 30,000 bbl per day. [District NSR Rule], [Federally Enforceable Through Title V]
6. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. or falls below 0.5 oz. vacuum. [District NSR Rule], [Federally Enforceable Through Title V]
7. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Tank water draw-offs shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
10. The tank shall be equipped with stored liquid temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
11. The permittee shall keep accurate records of liquids stored, tank throughput, storage temperature, and Reid vapor pressure of such liquids. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

26. The tanks included in this setting are S-1326-46, '-47, '-48, '-214, and '-215. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-49-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF CRUDE STOCK TANK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-50-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #20S351SHP

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-51-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK 255351WSH

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-52-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #555987WSH

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-53-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK 55615SHP

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-54-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #205615WTR

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-55-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF BOILER FUEL TANK

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-56-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK 125662WSH

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-57-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
420,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #105662SHP

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-58-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10134SHP (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. True vapor pressure of liquid stored in tank shall not exceed 1.5 psia. [ ]
3. Permittee shall maintain annual records of true vapor pressure of stored liquid for a period of three years and shall make such records readily available for District inspection upon request. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-59-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10135SHP (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. True vapor pressure of liquid stored in tank shall not exceed 1.5 psia. [ ]
3. Permittee shall maintain annual records of true vapor pressure of stored liquid for a period of three years and shall make such records readily available for District inspection upon request. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-60-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #106621

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-61-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK WM500FL

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-62-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PRODUCED WATER TANK

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-63-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #WM100TST (SILL)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-64-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10S607

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-65-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #ZMRTEST

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-66-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLONS FIXED-ROOF PETROLEUM STORAGE TANK #ZMRSMPTK *** TANK NO LONGER EXISTS AT THE STATIONARY SOURCE; PERMIT CANCELED PER COMPLIANCE DIVISION REQUEST, 6-17-97, JEG ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-67-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #6846SHP

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-68-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #68455HP

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-69-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #55598WSH

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-70-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #OLCFUEL -- CANCELLED 5/8/97

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-71-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
31,500 GALLONS FIXED-ROOF PETROLEUM STORAGE TANK #OLCESTWSH (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-72-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #OLCESTSHP (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-73-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLONS FIXED-ROOF PETROLEUM STORAGE TANK #OCLWSH (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-74-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #OLCSHP (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-75-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
31,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #STLWSH (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-76-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5133SHP (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-77-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100FUEL (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-78-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5131WSH (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-79-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5130STK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-80-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
126,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #STLOLCSHP (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-81-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
126,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK 3STLWSH (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-82-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLONS FIXED-ROOF PETROLEUM STORAGE TANK #100TST (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-83-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11007 (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-84-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11008 (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-85-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #250WTR (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-86-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10X835ST (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-87-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #8991ST (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-88-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11011WTR (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-89-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10WSHTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-90-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #01WSHTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-91-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM TANK #100WTRTK (KCL/PERSEUS) ****CANCELLED BY PERMITTEE 07/19/99, SVT***

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-92-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5180 (PERSEUS)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-93-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5188 (PERSEUS)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-94-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5079 (KCL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-95-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11764 (KCL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-96-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #250STKTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-97-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TST2 (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-98-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STRORAGE TANK #100TST1 (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-99-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TST1 WITH VAPOR CONTROL SHARED WITH S-1326-192-2 THRU S-1326-200-2 *** CANCELLED PRIOR TO IMPLEMENTATION OF ATC'S S-1326-268-0 AND 269-0, GAH, 5/8/97 ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No truck loading shall occur from this tank. [ ]
3. There shall be no discharge of air contaminants from the vapor control system to the atmosphere except during a "breakdown condition" pursuant to Rule 1110. [ ]
4. The vapor control system compressor shall activate before the internal tank pressure exceeds the relief valve setting. [ ]
5. All tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-100-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TST2 WITH VAPOR CONTROL SHARED WITH S-1326-198-2 THRU S-1326-200-2 *** CANCELLED PRIOR TO IMPLEMENTATION OF ATC'S S-1326-268-0 AND '269-0, GAH, 5/8/97 ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No truck loading shall occur from this tank. [ ]
3. There shall be no discharge of air contaminants from the vapor control system to the atmosphere except during a "breakdown condition" pursuant to Rule 1110. [ ]
4. The vapor control system compressor shall activate before the internal tank pressure exceeds the relief valve setting. [ ]
5. All tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-101-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #T-14 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-19, '-20, '-21, '-22, '-101, '-102, '-103, and '-104. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-102-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #11009 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-19, '-20, '-21, '-22, '-101, '-102, '-103, and '-104. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-103-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #20S323 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-19, '-20, '-21, '-22, '-101, '-102, '-103, and '-104. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-104-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #12736 (NATIONAL TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-19, '-20, '-21, '-22, '-101, '-102, '-103, and '-104. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-107-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2186STKTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-108-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #250STTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-109-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
8,400 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #200TSTTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-110-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #500TSTTK (NORTH NEWHOUSE LEASE) *** TANK NO LONGER EXISTS AT THE STATIONARY SOURCE; PERMIT CANCELED PER COMPLIANCE DIVISION REQUEST, JEG, 6/24/97 ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-111-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #1471 (SEC. 10 USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-112-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10 (SEC. 10 USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-113-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #1472SHP (SEC. 10 USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-114-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10WTRTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-115-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10STKTK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-116-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TST2 (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-117-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TST1 (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-118-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100 (LENHARDT USL)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-119-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2GK-255 (LENHARDT USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-118, '-119, '-120, '-121, and '-122. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-120-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2L100 (LENHARDT USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-118, '-119, '-120, '-121, and '-122. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-121-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5L101 (LENHARDT USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-118, '-119, '-120, '-121, and '-122. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-122-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK - WEST (LENHARDT USL)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-123-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK - EAST (LENHARDT)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-124-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TSTK2 (SEC. 14 USL)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-125-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100TSTK1 (SEC. 14 USL)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-126-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #20WSTWTR (SEC. 14 USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-124, '-125, '-126, '-127, and '-128. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-127-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #20X1504 (SEC. 14 USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-124, '-125, '-126, '-127, and '-128. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-128-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2GK37 (SEC. 14 USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-124, '-125, '-126, '-127, and '-128. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-129-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5GK43 (ROBINSON A/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-129, '-130, and '-131. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-130-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5GK-34 (ROBINSON A/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-129, '-130, and '-131. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-131-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2RA100 (ROBINSON A/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-129, '-130, and '-131. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-132-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #SPLCONTTNK (STAR USL/STAR ROBINSON)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-133-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #152323 (STAR USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-133, '-134, '-135, and '-136. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-134-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15322 (STAR USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-133, '-134, '-135, and '-136. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

**PERMIT UNIT:** S-1326-135-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15321 (STAR USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-133, '-134, '-135, and '-136. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

**PERMIT UNIT:** S-1326-136-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #WSTWTR1 (STAR USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-133, '-134, '-135, and '-136. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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Air Pollution Control District

**PERMIT UNIT:** S-1326-137-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15324 (STAR ROBINSON)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-137, '-138, '-139, '-140, and '-243. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-138-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15325 (STAR ROBINSON)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-137, '-138, '-139, '-140, and '-243. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-139-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15326 (STAR ROBINSON)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-137, '-138, '-139, '-140, and '-243. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-140-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #WSTWTR1 (STAR ROBINSON)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tanks associated with this battery setting are S-1326-137, '-138, '-139, '-140, and '-243. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-141-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #1SKMTK6 (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

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Air Pollution Control District

**PERMIT UNIT:** S-1326-142-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
126,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #3SRGTK3 (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-143-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2LCTK2 (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-141, '-142, '-143, '-144, '-145, and '-146. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-144-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2LCTK1 (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-141, '-142, '-143, '-144, '-145, and '-146. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-145-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #WSHTK2 (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-141, '-142, '-143, '-144, '-145, and '-146. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-146-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #WSHTK1 (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-141, '-142, '-143, '-144, '-145, and '-146. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-147-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2GK-18 (ROBINSON B/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-147, '-148, and '-149. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-148-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2GK-23 (ROBINSON B/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-147, '-148, and '-149. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-149-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #1RB101 (ROBINSON B/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-147, '-148, and '-149. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-150-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #1DRNTK3 (ROBINSON B DEHY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-150, '-151, '-152, '-153, '-154, and '-235. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-151-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5RB1035RG (ROBINSON B DEHY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-150, '-151, '-152, '-153, '-154, and '-235. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-152-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #10WSTWTR (ROBINSON B DEHY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-150, '-151, '-152, '-153, '-154, and '-235. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-153-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
126,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #3GK309SHP (ROBINSON B DEHY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-150, '-151, '-152, '-153, '-154, and '-235. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-154-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
126,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #3GK310SHP (ROBINSON B DEHY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-150, '-151, '-152, '-153, '-154, and '-235. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-155-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #55599 (WARD)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
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**PERMIT UNIT:** S-1326-156-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #55598 (WARD)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

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**PERMIT UNIT:** S-1326-157-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
31,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #55597 (WARD)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-158-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #5T100 (TEGELER/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-158, '-159, and '-160. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-159-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #3GK24 (TEGELER/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-158, '-159, and '-160. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-160-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #2GK13 (TEGELER/USL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-158, '-159, and '-160. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-161-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15163 (CAL TECH/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-162-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #50240 (CAL TECH/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-163-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #GMCD150ST (MCDOUGAL/GRADY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-164-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #GDY50WSH (GRADY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-165-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
210,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #MCD50WSH (MCDOUGAL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-166-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #LNT500STTK (LIGHTNER)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-167-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #20321 (MCDONALD)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-168-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #555982 (MCDONALD)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-169-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
105,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #25WSTW (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-169, -170, -171, -172 -173, and -245. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-170-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #20WSH (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-169, -170, -171, -172 -173, and -245. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-171-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15410 (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-169, -170, -171, -172 -173, and -245. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-172-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15409 (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-169, -170, -171, -172 -173, and -245. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-173-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15408 (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-169, -170, -171, -172 -173, and -245. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-174-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB771 ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-175-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB772 ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-176-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB773 ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-177-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TA00B774 ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-178-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB775 ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-179-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB776 ***SURRENDERED AS PART OF PROJECT 950019 MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-180-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB777 ***SURRENDERED AS PART OF PROJECT 950019***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-181-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
7,560 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB778 ***SURRENDERED AS PART OF PROJECT 950019 MPE**

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-182-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB754 (SILL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-63, '-182, '-183, '-186, '-187, and '-188. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-183-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB757 (SILL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-63, '-182, '-183, '-186, '-187, and '-188. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-184-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK TAOOB752 *** TANK NO LONGER EXISTS AT THE STATIONARY SOURCE - PERMIT CANCELED PER COMPLIANCE DIVISION REQUEST, JEG, 6/17/97 ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-185-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB753 *** TANK NO LONGER EXISTS AT THE STATIONARY SOURCE - PERMIT CANCELED PER COMPLIANCE DIVISION REQUEST, JEG, 6/17/97 ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-186-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB756 (SILL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-63, '-182, '-183, '-186, '-187, and '-188. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-187-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB755 (SILL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-63, '-182, '-183, '-186, '-187, and '-188. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-188-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB751 (SILL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-63, '-182, '-183, '-186, '-187, and '-188. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-189-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB764 (WETMORE TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-190-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
7,560 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB765 (WETMORE TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-191-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
7,980 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB766 (WETMORE TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-189, -190, -191, -192 -193, and -194. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-192-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
21,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB767 (WETMORE TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-189, -190, -191, -192 -193, and -194. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-193-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB768 (WETMORE TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-189, -190, -191, -192 -193, and -194. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-194-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
63,000 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TAOOB769 (WETMORE TANK BATTERY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-189, -190, -191, -192 -193, and -194. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-195-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,500 BBL HEAVY CRUDE OIL WASH TANK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tank shall be equipped with an elevated or siphon outlet to maintain a constant liquid level. [ ]
3. The tank shall be equipped with a stored liquid temperature indicator. [ ]
4. Water draw-off shall consist of a completely closed-piping system. [ ]
5. The true vapor pressure of the stored petroleum shall not exceed 11 psia. [ ]
6. The temperature of the stored petroleum shall not exceed 180 degrees Fahrenheit. [ ]
7. Water draw-off shall be accomplished in a manner preventing VOC and odoriferous emissions. [ ]
8. No truck loading or unloading shall occur from this tank. [ ]
9. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 0.03 lbm/hr. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-196-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,000 BBL HEAVY CRUDE OIL WASH TANK (CANCELLED 5/8/97 FOR ERC PROJECT 970470)

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tank shall be equipped with an elevated or siphon outlet to maintain a constant liquid level. [ ]
3. The tank shall be equipped with a stored liquid temperature indicator. [ ]
4. Water draw-off shall consist of a completely closed-piping system. [ ]
5. The true vapor pressure of the stored petroleum shall not exceed 11 psia. [ ]
6. The temperature of the stored petroleum shall not exceed 180 degrees Fahrenheit. [ ]
7. Water draw-off shall be accomplished in a manner preventing VOC and odoriferous emissions. [ ]
8. No truck loading or unloading shall occur from this tank. [ ]
9. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 0.07 lbm/hr. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-197-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,000 BBL HEAVY CRUDE OIL WASH TANK *** TANK NO LONGER EXISTS AT THE STATIONARY SOURCE - PERMIT CANCELED PER COMPLIANCE DIVISION REQUEST, JEG, 6/17/97 ***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The tank shall be equipped with an elevated or siphon outlet to maintain a constant liquid level. [ ]
3. The tank shall be equipped with a stored liquid temperature indicator. [ ]
4. Water draw-off shall consist of a completely closed-piping system. [ ]
5. The true vapor pressure of the stored petroleum shall not exceed 11 psia. [ ]
6. The temperature of the stored petroleum shall not exceed 180 degrees Fahrenheit. [ ]
7. Water draw-off shall be accomplished in a manner preventing VOC and odoriferous emissions. [ ]
8. No truck loading or unloading shall occur from this tank. [ ]
9. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 0.04 lbm/hr. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-198-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF WASH TANK D-801 WITH MAKE UP GAS SUPPLY LINE, SUCTION SCRUBBER, VAPOR COMPRESSOR & VAPOR CONTROL SYSTEM PIPING TO TEOR OPERATION S-1326-27. * CANCELLED PRIOR TO IMPLEMENTATION OF ATC'S S-1326-268-0 & '-269-0, GAH, 5/8/97 *

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No truck loading shall occur from this tank. [ ]
3. There shall be no discharge of air contaminants from the vapor control system to the atmosphere except during a "breakdown condition" pursuant to Rule 1110. [ ]
4. The vapor control system compressor shall activate before the internal tank pressure exceeds the relief valve setting. [ ]
5. All tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-199-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON CRUDE TANK D-802 WITH MAKE UP GAS SUPPLY LINE, SUCTION SCRUBBER, VAPOR COMPRESSOR AND VAPOR CONTROL SYSTEM PIPING TO TEOR OPERATION S-1326-27. ** CANCELLED PRIOR TO IMPLEMENTATION OF ATC'S S-1326-268-0 & '-269-0, GAH, 5/8/97 **

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No truck loading shall occur from this tank. [ ]
3. There shall be no discharge of air contaminants from the vapor control system to the atmosphere except during a "breakdown condition" pursuant to Rule 1110. [ ]
4. The vapor control system compressor shall activate before the internal tank pressure exceeds the relief valve setting. [ ]
5. All tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-200-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON WASTE WATER TANK D-803 WITH MAKE UP GAS SUPPLY LINE, SUCTION SCRUBBER, VAPOR COMPRESSOR & VAPOR CONTROL SYSTEM PIPING TO TEOR OPERATION S-1326-27. ** CANCELLED PRIOR TO IMPLEMENTATION OF ATC'S S-1326-268-0 & '-269-0, GAH, 5/8/97 **

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No truck loading shall occur from this tank. [ ]
3. There shall be no discharge of air contaminants from the vapor control system to the atmosphere except during a "breakdown condition" pursuant to Rule 1110. [ ]
4. The vapor control system compressor shall activate before the internal tank pressure exceeds the relief valve setting. [ ]
5. All tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-201-5 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,000 BBL FIXED ROOF WASH TANK #T-1 WITH VAPOR CONTROL (SHARED WITH 18 TANKS) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. Tank vapor control system includes vapor piping shared between storage tanks S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank vapor control system consists of three 15 hp vapor compressors and compressed vapor piping to TEOR well vent vapor control system S-1326-28. [District NSR Rule], [Federally Enforceable Through Title V]
3. Vapor control efficiency shall be maintained at no less than 99%. [District NSR Rule and District Rule 4623], [Federally Enforceable Through Title V]
4. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
5. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
6. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
7. Tank shall operate at a constant level. [District NSR Rule], [Federally Enforceable Through Title V]
8. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Operator shall determine the true vapor pressure and Reid vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-202-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,000 BBL FIXED ROOF REJECT OIL TANK #T-2 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 12,000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 5.3 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput and shall make such records available for District inspection upon request. [District Rules 1070 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-203-4 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2,000 BBL FIXED ROOF STOCK TANK #T-3 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 7500 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 3.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-204-4 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2,000 BBL FIXED ROOF STOCK TANK #T-4 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 7,500 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 3.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-205-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
5,000 BBL FIXED ROOF WATER TANK #T-5 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank shall operate at a constant level. [District NSR Rule], [Federally Enforceable Through Title V]
5. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

14. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-206-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,000 BBL FIXED ROOF SKIM OIL TANK #T-6 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 4000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 1.9 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-207-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON WATER CLEAN-UP TANK #T-7 CONNECTED TO VAPOR CONTROL SYSTEM WITH TWO 15 HP COMPRESSORS AND PIPING TO TEOR OPERATION S-1326-28 ***SURRENDERED AS PART OF PROJECT 950019, TANK NO STORES CLEAN PRODUCED WATER MPE***

# PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The true vapor pressure of the liquids stored in this tank shall not exceed 1.2 psia without prior District approval. [ ]
3. The average daily throughput for this tank (on an annual basis) shall not exceed 40,000 bbl/day of crude oil without prior District approval. [ ]
4. There shall be no truck loading from this tank. [ ]
5. The vapor collection system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1110. [ ]
6. The vapor collection system control efficiency shall be at least 99 percent by weight. [ ]
7. Tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
8. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
9. Oxy U.S.A. Inc. shall maintain accurate records of tank throughput, storage temperature, and Reid vapor pressure of liquids stored in tank, and such records shall be made readily available for District inspection upon request. [ ]
10. Volatile organic compound (VOC) emissions from this permit unit shall not exceed 0.19 lbm/hr. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-208-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
12,800 BBL EMERGENCY CONTAINMENT SUMP, 95 FT. BY 85 FT. BY 5 FT. DEEP (NORTH TREATING PLANT)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure of the liquids stored in this sump shall not exceed 1.2 psia without prior District approval. [District Rule 2201]
2. The average daily throughput for this sump (on an annual basis) shall not exceed 50 bbl/day without prior District approval. [District Rule 2201]
3. Oxy U.S.A. Inc. shall maintain accurate records of tank throughput, storage temperature, and Reid vapor pressure of liquids stored in tank, and such records shall be made readily available for District inspection upon request. [District Rule 2201]
4. Volatile organic compound (VOC) emissions from this permit unit shall not exceed 0.03 lbm/hr. [District Rule 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-209-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
WEMCO DEPURATOR MODEL 76 DISSOLVED AIR FLOATATION OIL/WATER SEPARATOR UNIT #1 WITH EMERGENCY P/V VENT PTO CANCELLED BY APPLICANT 3/31/94 AS PERMIT EXEMPT UNDER 2020 5.7.1

# PERMIT UNIT REQUIREMENTS

1. This oil/water separator shall only receive oily waste from permit units S-1326-201 to -208 and -210 to -211. [ ]
2. The true vapor pressure of the liquids processed by this permit unit shall not exceed 1.1 psia without prior District approval. [ ]
3. Dissolved air floatation oil/water separator unit #'s 1 & 2 (S-1326-209 & -223) average combined daily throughput shall not exceed 39,600 bbl of oily waste per day without prior District approval. [ ]
4. All doors, hatches and access holes shall be closed at all times except during breakdowns or during maintenance. [ ]
5. Volatile organic compound (VOC) emissions from this permit unit shall not exceed 0.05 lbm/hr. [ ]
6. Oxy U.S.A. Inc. shall maintain accurate records of separator throughput and Reid vapor pressure of liquids processed, and such records shall be made readily available for District inspection upon request. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-210-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON DRAIN TANK #T-9 CONNECTED TO VAPOR CONTROL SYSTEM UNDER PERMIT S-1326-201 (SECTION 11 NORTH TREATING FACILITY) ** PERMIT SURRENDERED BY OPERATOR PER RULE 2020, SECTION 5.7.2; DISCONNECTED FROM VAPOR RECOVERY ** JEG, 5/12/98

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.2 psia. [ ]
2. Tank stored liquid temperature shall not exceed 161 degrees F. [ ]
3. Tank shall be equipped with a stored liquid temperature indicator. [ ]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 2300 bbl/day. [ ]
5. There shall be no truck loading from this tank. [ ]
6. The vapor collection system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1100. [ ]
7. The vapor collection system control efficiency shall be at least 99 percent by weight. [ ]
8. Tank gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [ ]
9. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
10. The permittee shall keep accurate records of Reid vapor pressure, storage temperature and monthly tank throughput, for a period of two years, and shall make such records available for District inspection upon request. [ ]
11. VOC emission rate shall not exceed 0.1 lb/day. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-211-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON DRAIN TANK #T-10 CONNECTED TO VAPOR CONTROL SYSTEM UNDER PERMIT S-1326-201 (SECTION 11 NORTH TREATING FACILITY) ** PERMIT SURRENDERED BY OPERATOR PER RULE 2020, SECTION 5.7.2; DISCONNECTED FROM VAPOR RECOVERY ** JEG, 5/12/98

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.2 psia. [ ]
2. Tank stored liquid temperature shall not exceed 161 degrees F. [ ]
3. Tank shall be equipped with a stored liquid temperature indicator. [ ]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 575 bbl/day. [ ]
5. There shall be no truck loading from this tank. [ ]
6. The vapor collection system shall not discharge to the atmosphere except during breakdown conditions pursuant to Rule 1100. [ ]
7. The vapor collection system control efficiency shall be at least 99 percent by weight. [ ]
8. Tank gauging and/or sampling devices shall be equipped with gas-tight (as defined in Rule 4623) covers which shall remain closed at all times except during gauging or sampling. [ ]
9. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
10. The permittee shall keep accurate records of Reid vapor pressure, storage temperature and monthly tank throughput, for a period of two years, and shall make such records available for District inspection upon request. [ ]
11. VOC emission rate shall not exceed 0.0 lb/day. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-212-4 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2,000 BBL FIXED ROOF SURGE TANK #ST-1 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank shall operate at a constant level. [District NSR Rule], [Federally Enforceable Through Title V]
5. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

14. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in 40 CFR 60.113 and Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-213-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
250 BBL FIXED-ROOF WASTE WATER TANK WITH VAPOR RECOVERY. (FANO LEASE) **** CANCELED PER APPLICANT REQUEST, 11/3/98, JEG ***

# PERMIT UNIT REQUIREMENTS

1. Tank vapors shall be vented only to vapor control system listed on tank permit #S-1326-46. [ ]
2. The vapor control system shall be at least 99 percent effective. [ ]
3. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [ ]
4. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. and shall be shut off when the internal pressure exceeds 1.5 in. w.c. [ ]
5. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [ ]
6. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [ ]
7. The true vapor pressure of the liquids stored in this tank shall not exceed 0.82 psi. [ ]
8. Tank liquid throughput shall not exceed 3000 bbl per day. [ ]
9. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [ ]
10. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [ ]
11. Tank water draw-offs shall consist only of closed piping. [ ]
12. Compressor knockout drum liquids shall be piped only to vapor-controlled tanks. [ ]
13. The tank shall be equipped with stored liquid temperature indicators. [ ]
14. No truck loading shall occur from this tank. [ ]
15. Oxy USA Inc. shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-214-4 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF STOCK TANK WITH VAPOR RECOVERY. (FANO LEASE)

# PERMIT UNIT REQUIREMENTS

1. Tank vapors shall be vented only to vapor control system listed on tank permit #S-1326-46. [District NSR Rule], [Federally Enforceable Through Title V]
2. Vapor control efficiency shall be maintained at no less than 99%. [District NSR Rule and District Rule 4623], [Federally Enforceable Through Title V]
3. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. The true vapor pressure of the liquids stored in this tank shall not exceed 0.82 psia. [District NSR Rule], [Federally Enforceable Through Title V]
5. The average daily throughput for this tank (on an annual basis) shall not exceed 2,500 bbl per day. [District NSR Rule], [Federally Enforceable Through Title V]
6. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. or falls below 0.5 oz. vacuum. [District NSR Rule], [Federally Enforceable Through Title V]
7. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Tank water draw-offs shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
10. The tank shall be equipped with stored liquid temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
11. The permittee shall keep accurate records of liquids stored, tank throughput, storage temperature, and Reid vapor pressure of such liquids. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

26. The tanks included in this setting are S-1326-46, '-47, '-48, '-214, and '-215. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-215-4 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED-ROOF WASH TANK WITH VAPOR RECOVERY. (FANO LEASE)

# PERMIT UNIT REQUIREMENTS

1. Tank vapors shall be vented only to vapor control system listed on tank permit #S-1326-46. [District NSR Rule], [Federally Enforceable Through Title V]
2. Vapor control efficiency shall be maintained at no less than 99%. [District NSR Rule and District Rule 4623], [Federally Enforceable Through Title V]
3. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 0.75 gr/100 scf shall be used as make-up gas. [District NSR Rule], [Federally Enforceable Through Title V]
4. The true vapor pressure of the liquids stored in this tank shall not exceed 0.82 psia. [District NSR Rule], [Federally Enforceable Through Title V]
5. Tank shall be operated exclusively as a constant level wash tank. [District NSR Rule], [Federally Enforceable Through Title V]
6. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. or falls below 0.5 oz. vacuum. [District NSR Rule], [Federally Enforceable Through Title V]
7. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Tank water draw-offs shall consist only of closed piping. [District NSR Rule], [Federally Enforceable Through Title V]
10. The tank shall be equipped with stored liquid temperature indicators. [District NSR Rule], [Federally Enforceable Through Title V]
11. The permittee shall keep accurate records of liquids stored, storage temperature, and Reid vapor pressure of such liquids. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

25. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

26. The tanks included in this setting are S-1326-46, '-47, '-48, '-214, and '-215. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-216-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON STOCK TANK #15355 WITH 12-3/4 IN. DIA. BY 4 FT. HIGH GAS/LIQUID SEPARATOR, 15 HP VAPOR COMPRESSOR AND VAPOR PIPING TO INCINERATION DEVICES (STRASSBURGER/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Tank vapor control system shall include vapor piping from tanks S-1326-216, -217, -218, -219, -220, -221, & -222. [District Rule 2201]
2. Tank vapors shall be compressed and combusted in 2 existing otherwise permit exempt Fano lease heater treaters, or the primary waste gas disposal flare serving TEOR operation #S-1326-26. [District Rule 2201]
3. Vapor control efficiency shall be maintained at no less than 99%. [District Rule 2201]
4. The vapor control system compressor shall activate when the tank internal pressure exceeds 1.5 in. w.c. and deactivate when the tank internal pressure falls to 0.5 in. w.c. [District Rule 2201]
5. Make-up gas shall be introduced into the tank when the internal pressure falls to 0.5 in. w.c. and shall be shut off when the internal pressure exceeds 1.5 in. w.c. [District Rule 2201]
6. Only PUC-purchased natural gas or lease gas with a sulfur content of no more than 1.0 gr/100 scf shall be used as make-up gas. [District Rule 2201]
7. The true vapor pressure of the liquids stored in this tank shall not exceed 0.60 psia without prior District approval. [District Rule 2201]
8. The average daily tank throughput (on an annual basis) for this tank shall not exceed 51 bbl/day without prior District approval. [District Rule 2201]
9. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [District Rule 2201]
10. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rules 2201]
11. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition (i.e. < 10,000 ppm @ 1 cm, as methane per EPA Method 21. [District Rule 2201]
12. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
13. The tank shall be equipped with stored liquid temperature indicators. [District Rule 2201]
14. No truck loading shall occur from this tank. [District Rule 2201]
15. Permittee shall maintain accurate records of tank throughput, storage temperature and Reid vapor pressure of liquid stored. Such records shall be made readily available for District inspection upon request for a period of two years. [District Rules 1070 & 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-217-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
31,500 GALLON WASH TANK #53598 SERVED BY VAPOR CONTROL SYSTEM LISTED ON PERMIT S-1326-216 (STRASSBURGER/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Vapor control efficiency shall be maintained at no less than 99%. [District Rule 2201]
2. The true vapor pressure of the liquids stored in this tank shall not exceed 0.60 psia without prior District approval. [District Rule 2201]
3. The average daily tank throughput (on an annual basis) for this tank shall not exceed 725 bbl/day without prior District approval. [District Rule 2201]
4. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [District Rule 2201]
5. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rules 2201]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition (i.e. < 10,000 ppm @ 1 cm, as methane per EPA Method 21. [District Rule 2201]
7. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
8. The tank shall be equipped with stored liquid temperature indicators. [District Rule 2201]
9. No truck loading shall occur from this tank. [District Rule 2201]
10. Permittee shall maintain accurate records of tank throughput, storage temperature and Reid vapor pressure of liquid stored. Such records shall be made readily available for District inspection upon request for a period of two years. [District Rules 1070 & 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-218-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2,000 BBL FIXED ROOF WASTEWATER TANK #1 WITH VAPOR CONTROL (PART OF S-1326-216) - STRASSBURGER/SOUTHERN TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rule 2201]
2. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition pursuant to Rule 4623. [District Rule 4623]
3. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
4. The tank shall be equipped with stored liquid temperature indicator. [District Rule 2080]
5. The Reid vapor pressure of the liquid stored in this tank shall not exceed 4.0 psia. [District Rule 2201]
6. The average daily tank throughput (on an annual basis) for this tank shall not exceed 9419 bbl/day. [District Rule 2201]
7. Permittee shall maintain accurate records of tank throughput, storage temperature, and Reid vapor pressure of liquid stored. Such records shall be made available for District inspection upon request and shall be stored for a period of two years. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-219-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON WASTE WATER TANK #2 SERVED BY VAPOR CONTROL SYSTEM LISTED ON PTO S-1326-216. (STRASSBURGER/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Vapor control efficiency shall be maintained at no less than 99%. [District Rule 2201]
2. The true vapor pressure of the liquids stored in this tank shall not exceed 0.60 psia without prior District approval. [District Rule 2201]
3. The average daily tank throughput (on an annual basis) for this tank shall not exceed 100 bbl/day without prior District approval. [District Rule 2201]
4. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [District Rule 2201]
5. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rules 2201]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition (i.e. < 10,000 ppm @ 1 cm, as methane per EPA Method 21. [District Rule 2201]
7. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
8. The tank shall be equipped with stored liquid temperature indicators. [District Rule 2201]
9. No truck loading shall occur from this tank. [District Rule 2201]
10. Permittee shall maintain accurate records of tank throughput, storage temperature and Reid vapor pressure of liquid stored. Such records shall be made readily available for District inspection upon request for a period of two years. [District Rules 1070 & 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-220-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON STOCK TANK #1 SERVED BY VAPOR CONTROL SYSTEM LISTED ON PTO S-1326-216. (STRASSBURGER/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Vapor control efficiency shall be maintained at no less than 99%. [District Rule 2201]
2. The true vapor pressure of the liquids stored in this tank shall not exceed 0.60 psia without prior District approval. [District Rule 2201]
3. The average daily tank throughput (on an annual basis) for this tank shall not exceed 87 bbl/day without prior District approval. [District Rule 2201]
4. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [District Rule 2201]
5. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rules 2201]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition (i.e. < 10,000 ppm @ 1 cm, as methane per EPA Method 21. [District Rule 2201]
7. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
8. The tank shall be equipped with stored liquid temperature indicators. [District Rule 2201]
9. No truck loading shall occur from this tank. [District Rule 2201]
10. Permittee shall maintain accurate records of tank throughput, storage temperature and Reid vapor pressure of liquid stored. Such records shall be made readily available for District inspection upon request for a period of two years. [District Rules 1070 & 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-221-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON STOCK TANK #2 SERVED BY VAPOR CONTROL SYSTEM LISTED ON PTO S-1326-216. (STRASSBURGER/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Vapor control efficiency shall be maintained at no less than 99%. [District Rule 2201]
2. The true vapor pressure of the liquids stored in this tank shall not exceed 0.60 psia without prior District approval. [District Rule 2201]
3. The average daily tank throughput (on an annual basis) for this tank shall not exceed 87 bbl/day without prior District approval. [District Rule 2201]
4. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [District Rule 2201]
5. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rules 2201]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition (i.e. < 10,000 ppm @ 1 cm, as methane per EPA Method 21. [District Rule 2201]
7. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
8. The tank shall be equipped with stored liquid temperature indicators. [District Rule 2201]
9. No truck loading shall occur from this tank. [District Rule 2201]
10. Permittee shall maintain accurate records of tank throughput, storage temperature and Reid vapor pressure of liquid stored. Such records shall be made readily available for District inspection upon request for a period of two years. [District Rules 1070 & 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-222-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON STOCK TANK #3 SERVED BY VAPOR CONTROL SYSTEM LISTED ON PTO S-1326-216. (STRASSBURGER/SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Vapor control efficiency shall be maintained at no less than 99%. [District Rule 2201]
2. The true vapor pressure of the liquids stored in this tank shall not exceed 0.60 psia without prior District approval. [District Rule 2201]
3. The average daily tank throughput (on an annual basis) for this tank shall not exceed 87 bbl/day without prior District approval. [District Rule 2201]
4. The tank pressure relief valves shall not open unless the tank internal pressure exceeds 2.0 oz. pressure or falls below 0.5 oz. vacuum. [District Rule 2201]
5. The tank gauging and/or sampling devices shall be equipped with gas-tight covers which shall remain closed at all times except during gauging or sampling. [District Rules 2201]
6. All tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition (i.e. < 10,000 ppm @ 1 cm, as methane per EPA Method 21. [District Rule 2201]
7. Tank water draw-offs shall consist only of closed piping. [District Rule 2201]
8. The tank shall be equipped with stored liquid temperature indicators. [District Rule 2201]
9. No truck loading shall occur from this tank. [District Rule 2201]
10. Permittee shall maintain accurate records of tank throughput, storage temperature and Reid vapor pressure of liquid stored. Such records shall be made readily available for District inspection upon request for a period of two years. [District Rules 1070 & 2201]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-223-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
WEMCO DEPURATOR MODEL 76 DISSOLVED AIR FLOTATION OIL/WATER SEPARATOR UNIT #2 WITH EMERGENCY P/V VENT PTO SURRENDERED BY APPLICANT 3/31/94 AS PERMIT EXEMPT UNDER 2020 5.7.1.

# PERMIT UNIT REQUIREMENTS

1. No external blanket gas shall be used in this permit unit, and blanket gas inlet shall be shut off to prevent any emissions. [ ]
2. Dissolved air flotation oil/water separator unit's emergency p/v vent shall not open unless internal pressure exceeds 3.46 in. w.c. or falls below 0.87 in. w.c. vacuum. [ ]
3. Dissolved air flotation oil/water separator shall be totally enclosed and vapor-tight. [ ]
4. Dissolved air flotation oil/water separator shall only receive oily waste from permit units S-1326-210 to -212. [ ]
5. True vapor pressure of liquids processed shall not exceed 1.1 psia without prior District approval. [ ]
6. Dissolved air floatation oil/water separator unit #'s 1 & 2 (S-1326-209 & -223) average combined daily throughput shall not exceed 39,600 bbl of oily waste per day without prior District approval. [ ]
7. All doors, hatches and access holes shall be closed at all times except during breakdowns or during maintenance. [ ]
8. Volatile organic compound (VOC) emissions from this permit unit shall not exceed 0.05 lbm/hr. [ ]
9. Oxy U.S.A. Inc. shall maintain accurate records of separator throughput and Reid vapor pressure of liquids processed, and such records shall be made readily available for District inspection upon request. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-224-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2,000 GALLON UNDERGROUND GASOLINE STORAGE AND DISPENSING OPERATION WITH PHASE I AND RED JACKET PHASE II (G-70-52) VAPOR CONTROL SYSTEMS, AND TWO OPW E-47 NOZZLES (CANCELLED PER OXY LETTER RECEIVED 12-1-93)

# PERMIT UNIT REQUIREMENTS

1. All dispensers shall be equipped with high retractor or high-hang hose configurations. [District Rule 4622]
2. At least 95% by weight of all gasoline vapors displaced during the filling of storage tanks and the refueling of vehicles shall be prevented from entering the atmosphere. [District Rule 4622]
3. Nozzles shall be operated in a manner preventing the spilling of liquid gasoline during the refueling of motor vehicles. [District Rule 4622]
4. All vapor line connections, fittings, lines and caps, and seals between nozzles and vehicles shall be vapor tight. [District Rule 4622]
5. Pressure/Vacuum relief valves shall be maintained operational at all times. [District Rule 4622]
6. The vapor recovery systems and their components shall be installed, operated, and maintained in accordance with the State certification requirements. [District Rules 4621 and 4622]
7. Prior to December 31, 1994, and at least once every five years thereafter, each vapor recovery system shall be tested to determine proper installation and function using District approved test methods. [District Rule 4622]
8. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District Rule 1081]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-225-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
9,970 GALLON UNDERGROUND GASOLINE STORAGE AND DISPENSING OPERATION WITH PHASE I AND PHASE II GASOLINE VAPOR CONTROL AND ONE NOZZLE (CANCELLED PER OXY LETTER RECEIVED 12-1-93)

# PERMIT UNIT REQUIREMENTS

1. All dispensers shall be equipped with high retractor or high-hang hose configurations. [District Rule 4622]
2. At least 95% by weight of all gasoline vapors displaced during the filling of storage tanks and the refueling of vehicles shall be prevented from entering the atmosphere. [District Rule 4622]
3. Nozzles shall be operated in a manner preventing the spilling of liquid gasoline during the refueling of motor vehicles. [District Rule 4622]
4. All vapor line connections, fittings, lines and caps, and seals between nozzles and vehicles shall be vapor tight. [District Rule 4622]
5. Pressure/Vacuum relief valves shall be maintained operational at all times. [District Rule 4622]
6. The vapor recovery systems and their components shall be installed, operated, and maintained in accordance with the State certification requirements. [District Rules 4621 and 4622]
7. Prior to December 31, 1994, and at least once every five years thereafter, each vapor recovery system shall be tested to determine proper installation and function using District approved test methods. [District Rule 4622]
8. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District Rule 1081]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-234-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #15321SHP (STAR ROBINSON)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-235-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100SKMTK (ROBINSON B DEHY)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-150, '-151, '-152, '-153, '-154, and '-235. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-236-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #1WTRTK5 (WARD)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-237-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #TST1WARD (WARD)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-238-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #100FLTK (SOUTHERN TREATING FACILITY) (CANCELED BY PERMITTEE, EXEMPT UNDER 2020 5.7.2 - TEG, 3/31/98)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-239-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
8400 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #200TSTK (SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-240-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #40A-55WTSTTK (CAL TECH/SOUTHERN TREATING FACILITY) (CANCELED BY PERMITTEE, EXEMPT PER 2020 5.7.2 - TEG, 3/31/98)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-241-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #250WTR (GRADY/MCDOUGAL)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-242-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #GDY100TST (GRADY)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-243-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,200 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #LHT100TST (MCDOUGAL)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-244-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #LHT250WT (LIGHTNER)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-245-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
10,500 GALLON FIXED-ROOF PETROLEUM STORAGE TANK #250DRN (COLE FEE)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The tanks included in this setting are S-1326-169, -170, -171, -172 -173, and -245. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-256-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
30.0 MMBTU/HR GAS-FIRED, TRAILER MOUNTED STRUTHERS STEAM GENERATOR WITH NORTH AMERICAN BURNER MODEL #6131-FA-CR.30 AND TRAILER #81-37443 APPROVED TO OPERATE AT VARIOUS SPECIFIED LOCATIONS

# PERMIT UNIT REQUIREMENTS

1. Total sulfur content of natural gas shall not exceed 0.75 grain per 100 SCF. [District Rule 2010]
2. This steam generator is approved to operate at the following locations: NW Sec 23, T28S, R27E and SE Sec 22, T28S, R27E. [District Rule 2010]
3. The permittee shall notify the District Compliance Division of each location at which the operation is located in excess of 24 hours. Such notification shall be made no later than 48 hours after starting operation at the location. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-257-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
27.0 MMBTU/HR GAS-FIRED STRUTHERS STEAM GENERATOR WITH NORTH AMERICAN BURNER MODEL #6121-27.0-H6E62. (KERN TANK FARM)

# PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made to comply with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct for that modification(s), except for changes specified in condition 4 below. [District NSR Rule], [Federally Enforceable Through Title V]
4. The fuel supply line shall be physically disconnected from this unit. [District Rule 2080], [Federally Enforceable Through Title V]
5. After December 16, 1999 emissions from this unit shall not exceed any of the following: NOx (as NO2): 30 ppmv @3% O2; or CO: 400 ppmv @3% O2. [District Rule 4305]
6. A source test to demonstrate compliance with the indicated emission limits shall be performed within 60 days of recommencing operation of this unit. [District NSR Rule], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-260-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3.6 MMBTU/HR KALDAIR FLARE INCLUDING: TWO 8000 LB SULFA TREAT CANISTERS (ONE AS BACKUP) 50 HP COMPRESSOR AND PIPING FROM TEOR S-1326-35 (YOUNG SECTION 14)

# PERMIT UNIT REQUIREMENTS

1. Collected vapors shall discharge to H2S scrubber prior to vapor combustion in flare. [District NSR Rule], [Federally Enforceable Through Title V]
2. Flare shall operate with no visible emission in excess of 5% opacity. [District NSR Rule], [Federally Enforceable Through Title V]
3. Sulfur content of gas combusted in flare shall not exceed 0.75 gr/100 scf. [District NSR Rule, District Rule 4801, and Kern County Rule 407], [Federally Enforceable Through Title V]
4. Emission rates shall not exceed the following: PM10: 12.0 lb/MMscf, SOx (as SO2): 2.1 lb/MMscf, NOx (as NO2): 100.0 lb/MMscf, VOC: 7.26 lb/MMscf and CO: 21.0 lb/MMscf. [District NSR Rule], [Federally Enforceable Through Title V]
5. Combined pilot and waste gas flow rate shall not exceed 0.15 MMscf/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Sulfur scrubber shall be monitored monthly for H2S content of gas after treatment to determine when recharging is required. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The permittee shall keep accurate records of the amount of gas flared, H2S content and recharging dates, for a period of five years, and shall make such records available for District inspection upon request. [District NSR Rule], [Federally Enforceable Through Title V]
8. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. If this flare requires a pilot flame, then the flare shall be operated with a flame present at all times, and kept in operation when emissions may be vented to it. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. This flare shall be inspected every two weeks while in operation for visible emissions. If visible emissions are observed, corrective action shall be taken. If visible emissions continue, an EPA Method 9 test shall be conducted within 72 hours. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. This flare shall not be used as a leak control device as described in Rule 4403, 5.3.1, nor as a control device for any permit unit subject to NSPS, without modification of permit requirements to address 40 CFR 60.18. [District Rule 2520, 9.4.3], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-261-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
500 BBL FIXED ROOF STOCK TANK #T-20 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 4670 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 2.1 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput, and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-262-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
500 BBL FIXED ROOF WATER TANK #T-12 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 40000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 16.8 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput, and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-263-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
3,000 BBL FIXED ROOF SURGE/FWKO TANK WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank shall operate at a constant level. [District NSR Rule], [Federally Enforceable Through Title V]
5. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored, and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-264-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
2.5 MMBTU/HR GAS FIRED NATURAL DRAFT HEATER TREATER #2 (NORTH TREATING PLANT)

# PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-265-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4.2 MMBTU/HR GAS FIRED FORCED DRAFT HEATER TREATER #3 WITH ONE NORTH AMERICAN BURNER MODEL #6131-CR - NORTH TREATING PLANT

# PERMIT UNIT REQUIREMENTS

1. This unit shall be fired on natural gas, liquefied petroleum gas, or any combination thereof provided the fuel contains no more than five percent by weight hydrocarbons heavier than butane and no more than 0.75 grains of total sulfur per 100 standard cubic feet of gas. [District Rule 2020]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-266-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4.2 MMBTU/HR GAS FIRED FORCED DRAFT DIXON BOILER WITH NORTH AMERICAN BURNER MODEL #6131A-CR (NORTH TREATING PLANT)

# PERMIT UNIT REQUIREMENTS

1. This unit shall be fired on natural gas, liquefied petroleum gas, or any combination thereof provided the fuel contains no more than five percent by weight hydrocarbons heavier than butane and no more than 0.75 grains of total sulfur per 100 standard cubic feet of gas. [District Rule 2020]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-267-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
5.2 MMBTU/HR GAS FIRED FORCED DRAFT DIXON BOILER WITH NORTH AMERICAN BURNER MODEL #6121-5.2-HCR-B41 (SOUTHERN TREATING FACILITY)

# PERMIT UNIT REQUIREMENTS

1. Fuel use shall not exceed 5 MMBtu/hr (daily average). [District Rules 4305 and 4351]
2. Unit shall be equipped with operational totalizing fuel meter. [District Rule 2080]
3. The permittee shall maintain daily records of fuel use for a period of two years and shall make such records readily available for District inspection upon request. [District Rule 1070]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-268-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
5,000 BBL FIXED ROOF SURGE/FWKO TANK #T-14 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of liquids stored shall not exceed 1.84 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District Rule 2080], [Federally Enforceable Through Title V]
4. VOC emissions shall not exceed 2.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. Tank shall be operated at a constant level. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 4623 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 4623 and District NSR Rule], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored, and shall make such records readily available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 4623 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-269-3 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
5,000 BBL FIXED ROOF PRODUCED WATER TANK #T-15 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of liquids stored shall not exceed 1.84 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District Rule 2080], [Federally Enforceable Through Title V]
4. VOC emissions shall not exceed 2.6 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. Tank shall be operated at a constant level. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 4623 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 4623], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored, and shall make such records readily available for District inspection upon request. [District Rules 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 4623 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 4623, 6.2.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 4623, 6.2.3], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 4623, 6.2.4], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 4623, 6.2.5], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-270-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,000 BBL FIXED ROOF OIL TREATING TANK #TS-1 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 2500 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 1.3 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput, and shall make such records available for District inspection upon request. [District Rules 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-271-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
500 BBL FIXED ROOF DEHYDRATION TANK #TS-2 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 1,000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The permittee shall keep accurate records of Reid vapor pressure, and storage temperature of liquids stored, and shall make such records available for District inspection upon request. [District Rules 1070 and District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-272-2 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,000 BBL FIXED ROOF WATER TANK #TS-3 WITH VAPOR CONTROL (PART OF S-1326-201) - NORTH TREATING FACILITY

# PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
2. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
4. The average daily throughput for this tank (on an annual basis) shall not exceed 5000 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
5. VOC emission rate shall not exceed 2.3 lb/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall keep accurate records of Reid vapor pressure, storage temperature, and tank throughput, and shall make such records available for District inspection upon request. [District Rule 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-273-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
4,620 GALLON (110 BBL) FIXED ROOF CRUDE OIL SKIM TANK (ROBINSON B LEASE, KERN FRONT OIL FIELD)

# PERMIT UNIT REQUIREMENTS

1. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
2. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
3. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
6. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-274-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
42,000 GALLON FIXED ROOF SLOP OIL TANK # TS-8 WITH VAPOR CONTROL SHARED WITH S-1326-201

# PERMIT UNIT REQUIREMENTS

1. Tank vapors shall be vented only to vapor control system listed on tank permit S-1326-201. [District NSR Rule], [Federally Enforceable Through Title V]
2. The Reid vapor pressure of the liquid stored in this tank shall not exceed 0.75 psia. [District NSR Rule], [Federally Enforceable Through Title V]
3. Tank stored liquid temperature shall not exceed 220 degrees F. [District NSR Rule], [Federally Enforceable Through Title V]
4. Tank shall be equipped with a stored liquid temperature indicator. [District NSR Rule], [Federally Enforceable Through Title V]
5. The average daily throughput for this tank (on an annual basis) shall not exceed 970 bbl/day. [District NSR Rule], [Federally Enforceable Through Title V]
6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. Gas-tight shall be defined as emitting no more than 10,000 ppm of methane measured at a distance of one centimeter from the potential source with an instrument calibrated with methane in accordance with USEPA Method 21. Emissions in excess of this limit shall be considered a leak. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Tank seams, welds, joints, piping, valves, and fittings shall be inspected and maintained in a gas-tight condition. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. The permittee shall maintain accurate records of Reid vapor pressure, and storage temperature of liquids stored, and shall make such records available for District inspection upon request. [District Rules 1070; District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
9. The tank shall be equipped with a vapor loss prevention system capable of collecting all VOC emissions and preventing their emissions to the atmosphere at an efficiency of at least 99% by weight. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. All piping, fittings, and valves shall be inspected annually by the facility operator in accordance with USEPA Method 21, with the instrument calibrated with methane, to ensure compliance with the provisions of this permit. If any of the tank components are found to leak during an annual inspection, the inspection frequency for that component type shall be changed from annual to quarterly. If no tank components are subsequently found to be leaking during five consecutive inspections, the inspection frequency may be changed from quarterly to annual. Components located in inaccessible (over 15 feet above ground when access is required from the ground or over 6 feet away from a platform when access is required from the platform) locations shall be inspected at least annually and components located in unsafe areas shall be inspected and repaired at the next process unit turnaround (the scheduled shutdown of a unit for maintenance and repair work). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. A facility operator, upon detection of a leaking component, shall affix to that component a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until the leaking component is repaired, reinspected and found to be in compliance with the requirements of this rule. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. An operator shall reinspect a component for leaks within thirty working days after the date on which the component is repaired. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Emissions from components which have been tagged by the facility operator for repair within 15 calendar days or which have been repaired and are awaiting re-inspection shall not be in violation of this permit. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Any component leak shall be repaired to a leak-free condition or vented to a flare satisfying the requirements of 40 CFR 60.18 or to a vapor control device that is at least 99 percent efficient as measured by USEPA Method 25 within fifteen (15) calendar days of detection. The APCO may grant a ten (10) calendar day extension provided the operator demonstrates that necessary and sufficient actions are being taken to correct the leak within this time period. Any vapor control device, other than a flare, used to comply with this condition shall demonstrate at least 99% control efficiency as measured by USEPA Method 25 at least annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

15. If the leaking component is an essential part of a critical process unit which cannot be immediately shut down for repairs, the operator shall 1) Minimize the leak within 15 calendar days; and 2) If the leak which has been minimized still exceeds the concentration allowed by this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. A critical process unit is any process unit which would result in the automatic shutdown of other process units if it were shut down. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

16. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired; 4) Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and 5) Method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

17. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

18. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

19. Control efficiency shall be determined by a comparison of controlled emissions to those emissions which would occur from a fixed or cone roof tank in the same product service without a vapor recovery system. Emissions shall be determined based on tank emission factors in USEPA Publication AP-42, component counts for fugitive emissions sources, recognized emission factors for fugitive emission sources and the efficiency of any VOC destruction device. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

20. The efficiency of any VOC destruction device shall be measured by USEPA Method 25, 25a, or 25b. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

21. The operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

22. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank located at the beginning of the process flow after the production header at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (Amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

23. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

24. The tanks included in this setting are S-1326-201, '-202, '-203, '-204, '-205, '-206, '-212, '-261, '-262, '-263, '-268, '-269, '-270, '-271, '-272, and '-274. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-275-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
1,638,000 GALLON FIXED ROOF PETROLEUM WASH TANK (PERMIT CANCELLED, EQUIPMENT NO LONGER IN USE, RUE 3-16-99)

# PERMIT UNIT REQUIREMENTS

1. True vapor pressure of any organic liquid introduced to the tank shall not exceed 1.5 psia at liquid temperature. [District Rule 4623]
2. Formerly S-1131-896-0. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-276-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK

# PERMIT UNIT REQUIREMENTS

1. Formerly S-1131-897-0. [District NSR Rule], [Federally Enforceable Through Title V]
2. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
3. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
7. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-277-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
84,000 GALLON FIXED ROOF PETROLEUM STORAGE TANK

# PERMIT UNIT REQUIREMENTS

1. Formerly S-1131-898-0. [District NSR Rule]
2. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
3. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
7. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-278-0 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
ONE 2,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY PHASE I VAPOR RECOVERY SYSTEM (G-70-142) AND ONE GASOLINE DISPENSING NOZZLE

# PERMIT UNIT REQUIREMENTS

1. The vapor recovery systems and their components shall be installed, operated, and maintained in accordance with the State certification requirements. [District Rule 4621]
2. Aboveground storage tank(s) shall be equipped with pressure/vacuum valves set to within 10 percent of the maximum working pressure of the tank. [District Rule 4621]
3. Total gasoline throughput for the facility shall not exceed 10,000 gallons per month and 24,000 gallons per calendar year. [District Rule 4622]
4. Records of monthly gasoline throughput shall be maintained, retained on the premises for at least two years and made available for District inspection upon request. [District Rule 4622]
5. Formerly S-1131-910-0. [ ]

San Joaquin Valley
Air Pollution Control District

**PERMIT UNIT:** S-1326-279-1 **EXPIRATION DATE:** 03/31/2006

**EQUIPMENT DECRIPTION:**
ONE 210,000 GALLON CONSTANT LEVEL CRUDE OIL WASH TANK.

# PERMIT UNIT REQUIREMENTS

1. Formerly S-1131-911-0. [District NSR Rule], [Federally Enforceable Through Title V]
2. The true vapor pressure (TVP) of liquids stored in the tank shall not exceed 1.5 psia at storage temperature or tank shall be subject to the requirements of Rule 4623. [District Rule 4623, 2.0 and District Rule 2520, 9.1], [Federally Enforceable Through Title V]
3. Operator shall determine the true vapor pressure of the petroleum liquid stored in the tank at least once per year in accordance with methods described in Section 6.2 of District Rule 4623 (amended 12/17/92). Determinations shall be made annually during summer and whenever there is a change in the source or type of petroleum entering the tank. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. True vapor pressure shall be measured using Reid vapor pressure ASTM Method D323 modified by maintaining the hot water bath at storage temperature. Where storage temperature is above 100 degrees F, true vapor pressure shall be determined by Reid vapor pressure at 100 degrees F and CARB approved calculations. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
5. True vapor pressure of crude oil with an API (American Petroleum Institute) gravity less than 30 deg, as determined by API 2547, may be determined by Headspace Gas Chromatography using the procedures from CARB Evaluation of a Method for Determining Vapor Pressures of Petroleum Mixtures by Headspace Gas Chromatography, October 1990. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
6. The operator shall keep accurate records of types, storage temperature, and TVP of liquids stored to verify continued exemption from District Rule 4623 (as amended December 17, 1992). [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
7. As used in this permit, the term "source or type of petroleum" shall mean petroleum liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids store in this unit to determine which oil are from common source. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]